

AMENDMENTS

C1 1. A radiation directing device, comprising a screen having a mirrored surface proximal to a radiation beam source interrupted by one or more pin holes that pass through said screen, said pin holes having an elliptical shape, wherein the major axis of said elliptical pin holes is about 0.1 to 2 mm.

C2 15. The apparatus of claim 14, wherein said means for changing the direction of propagation is placed to direct said radiation beams passing through said 2 or more pin holes orthogonal to a forward direction of propagation of a radiation beam.

C3 19. An apparatus for determining radiation beam alignment, comprising:  
(a) a screen having a mirrored surface proximal to a radiation beam source interrupted by one or more pin holes passing through said screen; and  
(b) a means for detecting radiation reflected by said mirrored surface, wherein said detecting means determines a position of a radiation beam relative to said pin hole.

C4 25. The apparatus of claim 24, wherein said means for changing the direction of propagation is placed to direct said radiation beams passing through said 2 or more pin holes orthogonal to a forward direction of propagation of a radiation beam.

C5 38. The apparatus of claim 39, wherein said means for changing the direction of propagation is placed to direct radiation beams passing through said 2 or more pin holes orthogonal to a forward direction of propagation of a radiation beam.

C6 50. The automated system of claim 48, further comprising a means for directing radiation from a radiation source to a flow chamber, said means for